SECRET



LENS/FILM RESOLVING POWER

RESOLVING POWER TEST

- 1. MOVE FILM PARALLEL TO THE OPTICAL AXIS TO DETERMINE PLANE OF BEST DEFINITION
- 2. LENS IS TESTED AT ANGULAR DISTANCES OUT FROM THE OPTICAL AXIS
- 3. RADIAL RESOLUTION = $R = \frac{(FL)(LPMT) \cos^2 \theta}{FC}$

TANGENTIAL RESOLUTION = $T = \frac{(FL)(LPMT) \cos \theta}{FC}$

FL = EFFECTIVE FOCAL LENGTH OF THE LENS

LPMT = LINES PER MILLIMETER OF THE TARGET

FC = EFFECTIVE FOCAL LENGTH OF THE COLLIMATOR

θ = FIELD ANGLE

SECRET

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